

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-082338

(43)Date of publication of application : 21.03.2000

(51)Int.Cl.

H01B 5/14
G02B 5/30
G02F 1/13363
G06F 3/033

(21)Application number : 10-252628

(71)Applicant : TOYOBO CO LTD

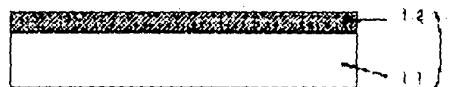
(22)Date of filing : 07.09.1998

(72)Inventor : NAGAHAMA HIROYUKI
YAMADA YOZO
OTANI TOSHIYUKI

(54) TRANSPARENT CONDUCTIVE FILM, TRANSPARENT TOUCH PANEL, AND LIQUID CRYSTAL DISPLAY ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a transparent conductive film for transparent touch panel which is structured so that a transparent conductive thin film is formed on a transparent plastic film, can favorably be used in interposing it between a liquid crystal panel and an upper polarizing plate in a stacked manner, has no risk of dropping the visibility, is excellent in the pen input durability, and can suppress minimally the increase in the weight of a liquid crystal display device after the transparent touch panel is installed.



SOLUTION: A transparent conductive film 1 is structured so that a transparent conductive thin film 12 of amorphous structure is formed on one surface of a uniaxial oriented highpolymer film 11 having a function of phase difference film, wherein the attaching force acting between the uniaxial oriented highpolymer film 11 and the transparent conductive thin film 12 is 15 g/15 mm or over, and a transparent touch panel is fabricated using this transparent conductive film.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office